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1853.
GLOUCESTER MEETING.

CATALOGUE OF THE
VARIOUS NEW AND IMPROVED
AGRICULTURAL
IMPLEMENTS

AND
HUSBANDRY TOOLS,
EXHIBITED AT THE
GLOUCESTER MEETING
OF THE
ROYAL AGRICULTURAL SOCIETY
OF ENGLAND,

JULY 13th, 14th, and 15th, 1853,

BY
MAPPLEBECK AND LOWE,
MACHINISTS AND MANUFACTURERS,
BIRMINGHAM.

ADDRESS.

Messrs. MAPPLEBECK AND LOWE,

IN presenting a Catalogue of AGRICULTURAL IMPLEMENTS, respectfully acknowledge the extensive patronage they have already received in this department of their business; and they avail themselves of this occasion to announce to Landowners and Agriculturists generally, that they have recently *erected extensive Premises* for the MANUFACTURE of IMPLEMENTS and AGRICULTURAL MACHINERY of every description.

The position of Birmingham as the Metropolis of the Midland Counties, the unequalled facilities of Railway 'communication which it possesses, and the rapid extension and increased importance of its other Manufactures, have induced Messrs. M. and L. to enter upon this branch of trade, which they are prepared to carry on in the most efficient manner.

The establishment of an influential Society in Birmingham for the exhibition of Stock is, also, another consideration which has led Messrs. MAPPLEBECK and LOWE to complete their arrangements for supplying all kinds of Implements and Machinery required in Farming operations; and they beg leave to invite Agriculturists to visit their Establishments, where an opportunity is afforded for inspecting not only every recent invention or improvement, but one of the largest Collections of Implements in the kingdom.

In the FURNISHING IRONMONGERY, STOVE GRATE, CUTLERY, PLATE, and other departments of their general business, Messrs. MAPPLEBECK and LOWE are prepared to offer a most extensive and beautiful collection of goods, selected from the first Manufactories, and including all that can be required for use or ornament. Their SHOW ROOMS, which are at all times open to Visitors, contain a magnificent display of articles exhibiting great manufacturing skill and taste.

**Bull Ring, Smithfield, & Gloucester St.,
BIRMINGHAM.**

July 11th, 1853.



ARTICLE No. 14.—Improved OIL CAKE BREAKER, manufactured by *Mapplebeck and Lowe*, of Birmingham.

It is remarkably easy to work, and has a very simple plan for altering it to break Cake of various sizes. Price, £3. 0. 0.

ARTICLE No. 15.—Improved OIL CAKE BREAKER.

Suitable for breaking Oil Cake for Beasts and Sheep. It is remarkably easy to work, fitted with One Set of Cutters, on an Improved Principle, with Hardened Points. Price, £4. 4. 0.

ARTICLE No. 16.—Portable KIBBLING MILL, on a Stand, manufactured by *Mapplebeck and Lowe*, Birmingham.

For the purpose of Grinding or Splitting Beans, Peas, Oats, Barley, or Malt, and works with great ease and dispatch.

Price, £3. 10. 0.

ARTICLE No. 17.—Portable KIBBLING MILL, on a Stand, manufactured by *Mapplebeck and Lowe*.

Same as No. 16, but one size larger.

Price, £3. 15. 0.

ARTICLE No. 18.—Portable KIBBLING MILL, on a Stand, manufactured by *Mapplebeck and Lowe*.

Same as No. 16, but two sizes larger.

Price, £4. 0. 0.

ARTICLE No. 19.—Portable BEAN MILL, on a Stand, manufactured by *Mapplebeck and Lowe*.

This Mill is for Beans only, and One Man can, with ease, Split a Bushel in Fifteen Minutes.

Price, £3. 10. 0.

ARTICLE No. 20.—Portable MALT MILL, on a Stand, manufactured by *Mapplebeck and Lowe*.

This will grind a Bushel of Malt in Four Minutes.

Price, £5. 0. 0.

ARTICLE No. 21.—Portable KIBBLING MILL, on a Stand, for Horse or other power, manufactured by *Mapplebeck and Lowe*.

For the same purpose as No. 16.

Price, £7. 10. 0.

ARTICLE No. 22.—Patent TURNIP CUTTER, invented by the late *James Gardner*, of Banbury, manufactured by *Mapplebeck and Lowe*.

It has Thirty Knives, and cuts pieces $\frac{3}{4}$ in. by $\frac{1}{2}$ in. for Sheep or Calves. A Silver Medal was awarded to *Mapplebeck and Lowe*, for this Turnip Cutter, at the Northampton Meeting of the Royal Agricultural Society of England.

Price, £3. 10. 0.

ARTICLE No. 23.—Patent ROOT GRATER, invented by *E. Moody*.

For the purpose of reducing Turnips sufficiently fine to mix with Chaff. Price, £4. 5. 0.

ARTICLE No. 24.—A Hand TURNIP CUTTER.

Prices, { For Beasts and Sheep. £1. 10. 0.
 { If for Beasts only..... £1. 7. 6.

ARTICLE No. 25.—Patent HAY MAKER, on Patent Wrought Wheels.

This Implement has, from its first exhibition, obtained all the Prizes of the Royal Agricultural Society. Price, £14. 14. 0.

ARTICLE No. 26.—Patent HORSE DRAG RAKE, (*Howard's*).

The Royal Agricultural Society awarded the Prize to this Implement at Exeter, 1850; and at Lewes, 1852. It is intended for Raking Hay, Corn, Stubble, or Twitch Grass, Dragging Meadows after a Flood, and Raking in Clover Seed in the Spring. Price, £7. 10. 0.

M. and L. manufacture a Horse Drag Rake at £5. 17. 6.

ARTICLE No. 27.—Newcastle-model ONE-HORSE CART, with Harvest Shelvings, complete, improved by *W. Crosskill*.

This Cart is recommended for the every day wants of every Farmer throughout the Kingdom. It is a strong, well-made, useful, and remarkably cheap One-Horse Cart, to carry 25 cwt. In Birmingham, £14, less 5 per cent. for Cash Price for One Cart; off Orders for Two Carts, less 10 per cent.; and off Orders for Three Carts, less 15 per cent.

Cash Price for One Cart, £13. 5. 0.

ARTICLE No. 28.—Patent SERRATED ROLLER or CLOD CRUSHER, invented by *W. Crosskill*.

Size, 5ft. 6in. wide, with Travelling Wheels, complete, price, £17, discount, 5 per cent. for cash; and off Orders for Two Rollers, 10 per cent.; and off Orders for Three Rollers, 15 per cent.

Cash Price in Birmingham, £16. 3. 0.

ARTICLE No. 29.—PLATFORM WEIGHING MACHINE, of improved construction, invented by *Avery*.

This Machine will weigh from 2oz. to 3cwt., and is fitted with Back Iron for Sacks, and is well adapted for the use of Farmers, Corn Dealers, &c. Price, with Weights, complete, £3. 10. 0.



ARTICLE No. 30.—PLATFORM WEIGHING MACHINE,
of improved construction, invented by *Avery*.

This Machine will weigh from 2oz. to 4cwt., and is fitted with Back Iron for Sacks, and Folding Wings for Wool and Hops.
Price, *with weights, complete*, £4. 15. 0.

ARTICLE No. 31.—PLATFORM WEIGHING MACHINE,
of improved construction, invented by *Avery*.

This Machine will weigh from $\frac{1}{2}$ lb. to 5cwt., and is fitted with Back Iron for Sacks, large Platform for Hay, Straw, &c., and a Pen to weigh live Sheep.
Price, *with weights, complete*, £5. 5. 0.

ARTICLE No. 32.—PLATFORM WEIGHING MACHINE,
to weigh 7-cwt., invented by *Avery*.

This Machine is fitted with a large Platform, for Wool, Hops, or bulky articles.
Price, *with weights, complete*, £6. 5. 0.

ARTICLE No. 33.—PLATFORM WEIGHING MACHINE,
4-cwt., invented by *Avery*.

The portability, convenience, accuracy, and durability of these Machines recommend them to the notice of Railway Companies, Carriers, and other parties requiring great facilities for dispatch united with correctness.
Price, *with weights, complete*, £3. 15. 0.

ARTICLE No. 34.—PLATFORM WEIGHING MACHINE,
to weigh 15 cwt., invented by *Avery*.

A portable Machine, for general purposes, with a Platform, 34in. by 34in.
Price, *with weights, complete*, £8. 0. 0.

ARTICLE No. 35.—Three-cwt. WEIGHING MACHINE.

This Machine is made entirely of Iron and Steel, and is intended to weigh Sacks from a Truck, and for general purposes.
Price, £2. 5. 0.

ARTICLE No. 36.—Three-cwt. WEIGHING MACHINE.

A very useful Machine, and intended to weigh Sacks from a Truck and for general purposes.
Price, £2. 2. 0.

ARTICLE No. 37.—Three-cwt. WEIGHING MACHINE.

This Machine is similar to No. 36, but with a smaller top.
Price, £2. 0. 0.

ARTICLE No. 38.—STEELYARD, with Frame, for Weighing Sacks, &c.

A very useful and inexpensive article for general purposes.

Price, £1. 8. 0.

ARTICLE No. 39.—Set of New-Pattern IRON WEIGHTS.

The Set consists of one 56lb. 4s. 6d., 28lb. 2s. 3d., 14lb. 1s. 3d., 7lb. 9d., and one each $\frac{1}{2}$ lb. 1lb. 2lb. and 4lb. 1s. 6d.

Price, per Set, £0. 10. 3.

ARTICLE No. 40.—Patent LAWN MOWING MACHINE, invented by *E. Budding*.

This year further and important Improvements in the construction of these Machines have been made, and they can now be worked with equal facility and advantage on open unbroken Lawns or Pleasure Grounds, between Flower Beds, and over Narrow Verges. No practice whatever is required to work them, their motion over the ground being perfectly true and steady, by simply pushing or drawing them forward. They can be adjusted to cut any length, and will produce a more even and uniform surface than the most skilful mower. The Grass may be cut when dry, and with a Hand Machine and the same amount of labour more than double the quantity of work can be done than with a scythe. With ordinary care they are very durable and easily kept in order. Size, 16in.

Price, with Packing-case, £5. 2. 6.

ARTICLE No. 41.—Patent LAWN MOWING MACHINE, invented by *E. Budding*.

Similar to No. 40, but 3in. wider.

Price, with Packing-case, £5. 10. 0.

ARTICLE No. 42.—Patent LAWN MOWING MACHINE, invented by *E. Budding*.

Similar to No. 40, but 6in. wider.

Price, with Packing-case, £5. 10. 0.

ARTICLE No. 43.—Patent LAWN MOWING MACHINE, invented by *E. Budding*.

This is a very strong and powerful Machine, capable of cutting the longest and roughest Grass usually met with on Lawns and Pleasure Grounds. For Horse power, 36in. wide.

Price, £15. 15. 0.

ARTICLE No. 44.—Strong WROUGHT IRON GARDEN CHAIR.

These Chairs are much approved for their comfort and ease of seat. They are much lighter than those of cast-iron, and less liable to be broken. Size, 4ft. long.

Price, £0. 15. 0.

ARTICLE No. 45.—GARDEN CHAIR, made by *Mapplebeck and Lowe*.

Size, 4ft. New Rustic Pattern.

Price, £1. 5. 0.

ARTICLE No. 46.—WROUGHT-IRON Folding GARDEN STOOL, with Elastic Galvanized Wire Seat.

This is the easiest Garden Seat in use ; it rapidly dries after a shower of rain, and being galvanised, does not soil the dress. When not in use, it folds up in a small compass.

Price, £0. 4. 0.

ARTICLE No. 47.—IRON GARDEN ROLLER, manufactured by *Mapplebeck and Lowe*.

Size, 18in. wide, and 18in. diameter.

Price. £1. 15. 0.

ARTICLE No. 48.—IRON GARDEN ROLLER.

Size, 20in. wide, and 20in. diameter.

Price, £2. 5. 0.

ARTICLE No. 49.—IRON GARDEN ROLLER.

Size, 22in. wide, and 22in. diameter.

Price, £2. 15. 0.

ARTICLE No. 50.—IRON GARDEN ROLLER.

Size, 24in. wide, and 24in. diameter.

Price, £3. 5. 0.

ARTICLE No. 51.—PATENT MANGLE, improved and made by *Mapplebeck and Lowe*.

A really serviceable article. (*Recommended*.) Price, £10. 0. 0.

ARTICLE No. 52.—LINEN PRESS, improved and manufactured by *Mapplebeck and Lowe*.

Price, £2. 2. 0.

ARTICLE No. 53.—PORTABLE BED, for Farm Servants and Emigrants, manufactured by *Mapplebeck and Lowe*.

Price, £0. 12. 6.

ARTICLE No. 54.—Set of Patent Bright DRAINING TOOLS, invented by *Josiah Parkes* of London.

Containing Spade, 12 by 8. New pattern Grafting Tool, 15 by 7 by 5. Deep Tool, 20 by 5½ by 3½. Pickaxe and Handle. One Scoop, each 1, 2, 3, and one Pipe Layer, all very highly finished.

Price, *finished in the usual way*, £1. 11. 3. the Set.

ARTICLE No. 55.—Set of Patent PIPE DRAINING TOOLS,
invented by *Josiah Parkes* of London.

The Set contains One Spade, 12 by 8. One Tool, 15 by 7 by 5
One Deep Tool, 20 by 5½ by 3½. One Thompson's Shovel. One Scoop,
No. 1. Ditto, No. 2. One Hampton Shovel, No. 3, square. One ditto,
No. 4, round. One Peck and Handle, and One Pipe Layer.

Price, *per Set*, £1. 19. 0.

The Prize of £5. was awarded to Mapplebeck and Lowe for these Tools at the Northampton Meeting of the Royal Agricultural Society 1847; also the Prize at Lewes, 1852.

ARTICLE No. 56.—Set of Patent DRAINING TOOLS.

The Set contains One Spade, 12 by 8. One Tool, 16 by 6. One
Tool, 18 by 6 by 4½. One Water Furrow Shovel. One Square Scoop.

Price, *per Set*, £1. 0. 0.

ARTICLE No. 57.—Set of Patent DRAINING TOOLS.

The Set contains One Spade, 12 by 8. One Tool, 18 by 7 by 5.
One Tool, 18 by 6 by 4. One Tool, 18 by 5 by 3. One Hampton
Shovel, No. 4, square. One scoop, No. 3. One Pipe Layer.

Price, *per Set*, £1. 8. 3.

ARTICLE No. 58.—Set of Patent DRAINING TOOLS.

The Set contains One Spade, 12 by 8. One Tool, 15 by 7 by 5.
One Tool, 15 by 6 by 4. One Tool, 18 by 4 by 2½. One Scoop, No. 2.
One Hampton Shovel, No. 2, square. One Pipe Layer.

Price, *per Set*, £1. 7. 6.

**ARTICLE No. 59.—Set of Bright DRAINING TOOLS, for
Clay Land.**

The Set contains One Spade, 12 by 8½ by 6½. One Concave Tool,
16 by 7 by 5. One ditto, 18 by 5 by 3. One ditto, 17 by 4 by 2½.
One Convex Tool, 15 by 3½ by 1½. One Bright Pipe Layer. One Bright
Scoop, No. 2.

Price, *per Set*, £1. 14. 0.

The Prize of the Royal Agricultural Society was awarded to Mapplebeck and Lowe for these Tools at the Lewes Meeting, 1852.

**ARTICLE No. 60.—Set of Bright DRAINING TOOLS, for
Clay Land, manufactured by *Mapplebeck and Lowe*.**

The Set contains One Bright Cast Steel Spade, 11 by 7. One
Bright Convex Tool, 16 by 4 by 2½. One Bright Cast Steel Concave
Tool, 16 by 4 by 2½. One Bright Cast Steel Concave Tool, 18 by 4 by 2½.
One ditto, 18 by 5 by 3. One Bright Scoop. One Pipe Layer.

Price, *per Set*, £1. 7. 6.

These Tools obtained the Prize of £3. at the Norwich Meeting of the Royal Agricultural Society, 1849.

ARTICLE No. 61.—Set of Bright DRAINING TOOLS, for Clay Lands, manufactured by the Exhibitors.

The Set contains One Bright Cast Steel Spade, 12 by 8. One Bright Cast Steel Tool, 11½ by 6½ by 6½. One ditto, 13 by 7½ by 4½. One ditto, 15 by 6 by 4. One Bottom Shovel, 12½ by 7½. One ditto, 14 by 5 by 4½. One Scoop. One Pipe Layer.

Price, *per Set*, £1. 17. 6.

These Tools obtained the Prize of £3. at the Exeter Meeting of the Royal Agricultural Society, 1850.

ARTICLE No. 62.—Set of Patent DRAINING TOOLS.

The Set contains Twelve Tools, of various sizes.

Price, from 3s. 3d. to 6s. each.

ARTICLE No. 63.—Bundle of Five-Prong Solid STEEL DIGGING FORKS.

Strongly recommended.

Price, £0. 5. 6. each.

ARTICLE No. 64.—Bundle of Four-Prong Solid STEEL DIGGING FORKS, assorted, light and strong.

Price, *Light*, 4s.8d. *Strong*, 5s. each.

ARTICLE No. 65.—Bundle of Four-Prong Solid STEEL DUNG FORKS, assorted, light and strong.

Price, *Light*, 4s. *Strong*, 4s.4d. each.

ARTICLE No. 66.—Bundle of Three-Prong Solid STEEL DUNG FORKS, assorted, three sizes.

Price, No. 1, 3s ; 2, 3s.3d ; 3, 3s.6d. each.

ARTICLE No. 67.—Bundle of Four-Prong Solid STEEL COUCH GRASS FORKS.

Price, 3s.9d. each.

ARTICLE No. 68.—Bundle of Five-Prong Solid STEEL COUCH GRASS FORKS.

Price, 4s.2d. each.

ARTICLE No. 69.—Bundle of Six-Prong Solid STEEL DIGGING FORKS.

Price, 6s.8d. each.

ARTICLE No. 70.—Bundle of Solid CAST STEEL TAN or MALTING FORKS.

Price, *Seven-Prong*, 8s. *Eight-Prong*, 10s. each.

ARTICLE No. 71.—Bundle of Five-Prong STEEL POTATOE FORKS.

Price, 5s. each.

ARTICLE No. 72.—Bundle of Four-Prong STEEL POTATOE FORKS.

Price, 4s.6d. each.

ARTICLE No. 73.—Bundle of Five-Prong Extra Strong STEEL DIGGING FORKS.

Price, 7s. each.

ARTICLE No. 74.—Bundle of CAST STEEL HAY FORKS, assorted, three sizes.

Price, No. 1, 1s.6d.; 2, 1s.9d.; 3, 2s. each.

ARTICLE No. 75.—Bundle of Bright STEEL HAY FORKS, assorted sizes.

Price, No. 1, 2s.6d.; 2, 2s.9d.; 3, 3s.3d. each.

ARTICLE No. 76.—Bundle of Bright STEEL UNLOADING FORKS.

Price, 3s.8d. each.

ARTICLE No. 77.—Bundle of Bright STEEL PITCHING FORKS, assorted.

Price, *Two-Prong*, 4s.3d. *Three-Prong*, 5s. each.

ARTICLE No. 78.—Bundle of Solid CAST STEEL BORDER or WEEDING FORKS, assorted.

Price, *Four-Prong*, 4s. *Five-Prong*, 5s. each.

ARTICLE No. 79.—Bundle of Solid CAST STEEL SPADES, with Straps, assorted.

Price, No. 1, 4s.8d.; 2, 5s.; 3, 5s.4d. each.

ARTICLE No. 80.—Bundle of Solid CAST STEEL SPADES, assorted.

Price, No. 0, 4s.3d.; 1, 4s.6d.; 2, 4s.9d.; 3, 5s. each.

ARTICLE No. 81.—Bundle of STEEL SPADES, assorted.

Price, No. 0, 2s.6d.; 1, 2s.8d.; 2, 2s.10d.; 3, 3s. each.

ARTICLE No. 82.—Bundle of SOCKET SPADES, assorted.
Price, from 3s. to 4s. each

ARTICLE No. 83.—Bundle of *Lyndon's* Patent SPADES, assorted.
Price, No. 1, 3s.3d.; 2, 3s.6d.; 3, 3s.9d. each.

ARTICLE No. 84.—Bundle of Bright SPADES, assorted.
Price, from 3s. to 4s.6d. each.

ARTICLE No. 85.—Bundle of *Lyndon's* Patent SHOVELS, assorted.
Price, No. 1, 3s.; 2, 3s.3d.; 3, 3s.6d.; 4, 3s.9d. each.

ARTICLE No. 86.—Bundle of *Lyndon's* Patent Taper SHOVELS, assorted.
Price, No. 1, 3s.; 2, 3s.3d.; 3, 3s.6d.; 4, 3s.9d. each.

ARTICLE No. 87.—Bundle of SHOVELS, assorted.
Price, No. 0, 1s.10d.; 1, 2s.; 2, 2s.2d.; 3, 2s.4d. each.

ARTICLE No. 88.—One Set of HOES, of various kinds.
Price, from 1s. to 3s. each.

ARTICLE No. 89.—One Set of RAKES, of various kinds.
Price, from 1s.6d. to 5s. each.

ARTICLE No. 90.—Set of BILL HOOKS, of various kinds.
Price, from 1s.3d. to 3s.6d. each.

ARTICLE No. 91.—Set of HEDGING and BRUSHING HOOKS, &c.
Price, from 1s.3d. to 5s. each.

ARTICLE No. 92.—Set of SICKLES and REAPING HOOKS, &c.
Price, from 9d. to 1s.6d. each.

ARTICLE No. 93.—Set of SHEEP and HORSE SHEARS.
Price, from 1s. to 3s.6d. per pair.

ARTICLE No. 94.—Set of GRASS, GARDEN, and HEDGING SHEARS.

Price, from 2s. to 7s.6d. per pair.

ARTICLE No. 95.—Set of FARM LABOURERS' TOOLS.

Containing One Spade, One Shovel, Two forks, Two Hoes, Two Dock Drawers, Shepherd's Crook, Dibbles, Potatoe Setters, and Potatoe Shovel.

Price, £1. 10. 0.

ARTICLE No. 96.—One Set of COTTAGERS' ALLOTMENT TOOLS.

Containing One Spade, Two Forks, One Hook, Two Hoes, and One Rake.

Price, £0. 17. 6.

ARTICLE No. 97.—Set of HAY MAKING TOOLS.

Containing Scythes, from 3s. to 6s.6d. each ; Forks, from 1s.6d. to 5s. each ; Hand Rakes, from 6d. to 1s.8d. each , and Heel Rakes, from 8s.6d. to 12s. each.

ARTICLE No. 98.—Set of WEEDING TOOLS.

Price, from 9d. to 3s.6d. each.

ARTICLE No. 99.—Set of GUTTERING and FLOATING TOOLS.

Price, £1. 0. 0.

ARTICLE No. 100.—Set of BREAST PLOUGHS and TURFING IRONS.

Price, from 2s.6d. to 10s. each.

ARTICLE No. 101.—Set of HAY KNIVES.

Price, from 3s.3d. to 7s. each.

ARTICLE No. 102.—Chest of EMIGRANTS' TOOLS.

Containing a good and useful assortment of Carpenter's Tools.

Price, £7. 7. 0.

ARTICLE No. 103.—Improved GARDEN ENGINE.

Holds Twenty Gallons.

Price, £5. 5. 0.

ARTICLE No. 104.—IRON SACK CART.

Price, £0.10. 6.

ARTICLE No. 105.—SACK CART, with Wood Frame.

Price, £0. 12. 0.

ARTICLE No. 106.—Roll of WIRE HARE, RABBIT, or
POULTRY NETTING, manufactured by *Mapplebeck
and Lowe*.

2in. Mesh, No. 18 Wire, 2ft. high.

Price, 4d. per yard.

ARTICLE No. 107.—Roll of WIRE HARE, RABBIT, or
POULTRY NETTING, Galvanised.

2in. Mesh, No. 18 Wire, 2ft. high.

Price, 6d. per yard.

ARTICLE No. 108.—Roll of WIRE HARE, RABBIT, or
POULTRY NETTING.

2in. Octagon Mesh, No. 18 Wire, 2ft. high.

Price, 5d. per yard.

ARTICLE No. 109.—Roll of WIRE HARE, RABBIT, or
POULTRY NETTING.

2in. Mesh, No. 17 Wire, 2ft. high.

Price, 6d. per yard.

ARTICLE No. 110.—Roll of WIRE HARE, RABBIT, or
POULTRY NETTING.

2in. Mesh, No. 16 Wire, 2ft. high.

Price, 7½d. per yard.

ARTICLE No. 111.—Roll of Galvanized WIRE HARE
RABBIT, or POULTRY NETTING.

2in. Mesh, No. 17 Wire, 2ft. high.

Price, 9d. per yard.

ARTICLE No. 112.—Roll of Galvanized WIRE HARE,
RABBIT, or POULTRY NETTING.

2in. Mesh, No. 18 Wire, 2ft. high.

Price, 7½d. per yard.

ARTICLE No. 113.—Roll of POULTRY NETTING.

3in. Mesh, No. 16 Wire, 3ft. high.

Price, 9d. per yard.

ARTICLE No. 114.—Set of POULTRY TROUGHS.

Containing Troughs from 6d. to 5s. each.

ARTICLE No. 115.—Four Galvanized HAY RACKS.

Price, *Small Corner*, 6s.6d.; *Large Corner*, 8s.6d.; *Small Centre*, 7s.6d.; *Large Centre*, 10s.

ARTICLE No. 116.—Four HAY RACKS.

Price, *Small Corner*, 4s.; *Large Corner*, 5s.; *Small Centre*, 4s.6d.;
Large Centre, 6s.

ARTICLE No. 117.—Two Corner MANGERS.

Price, *Small*, 5s.6d.; *Large*, 7s.6d.

ARTICLE No. 118.—Two Galvanized Corner MANGERS.

Price, *Small*, 9s.; *Large*, 12s.6d.

ARTICLE No. 119.—Three Flat MANGERS.

Price, 20in. 5s.; 2ft. 6s.; 2ft. 6in. 7s.

ARTICLE No. 120.—Two Enamelled MANGERS, for Corners.

One each, Right and Left Hand. Price, £1. 5. 0. each.

ARTICLE No. 121.—Enamelled MANGER.

3ft. 3in. Price, £1. 10. 0.

ARTICLE No. 122.—Set of STALL POSTS and RAILS, with TRAPPED DRAIN, and Improved RACK and MANGER.

Price, *Stall Posts and Rails*, £2. 0. 0.; *Drain*, £0. 16. 0.; *Rack and Manger*, £1. 8. 0.

ARTICLE No. 123.—CATTLE TROUGH.

2ft. long. Price, £0. 11. 6.

ARTICLE No. 124.—CATTLE TROUGH.

3ft. long. Price, £0. 16. 0.

ARTICLE No. 125.—CATTLE TROUGH.

4ft. long. Price, £1. 0. 0.

ARTICLE No. 126.—CATTLE TROUGH.

5ft. long. Price, £1. 5. 0.

ARTICLE No. 127.—Circular PIG TROUGH.

Price, £0. 6. 6.

ARTICLE No. 128.—Circular PIG TROUGH.

Price, £0. 10. 0.

ARTICLE No. 129.—Circular PIG TROUGH.

Price, £0. 15. 0.

ARTICLE No. 130.—Improved Double Norfolk PIG TROUGH.

3ft. long, 10in. wide, for Fourteen Pigs. Price, £0. 8. 6.

ARTICLE No. 131.—Improved Double Norfolk PIG TROUGH.

3ft. 6in. long, 1ft. wide, for Fourteen Pigs. Price, £0. 11. 6.

ARTICLE No. 132.—Improved Double Norfolk PIG TROUGH.

2ft. 6in. long, 1ft. 3in. wide, for Eight Pigs. Price, £0. 9. 6.

ARTICLE No. 133.—Improved Double Norfolk PIG TROUGH.

4ft. long, 1ft. 3in. wide, for Twelve Pigs. Price, £0. 14. 0.

ARTICLE No. 134.—Improved Single Norfolk PIG TROUGH.

3ft. long, 6in. wide, for Seven Pigs. Price, £0. 6. 6.

ARTICLE No. 135.—Improved Single Norfolk PIG TROUGH.

2ft. 6in. long, 8in. wide, for Four Pigs. Price, £0. 7. 6.

ARTICLE No. 136.—Improved Single Norfolk PIG TROUGH.

4ft. long, 8in. wide, for Seven Pigs. Price, £0. 10. 6.

ARTICLE No. 137.—Improved Single Norfolk PIG TROUGH.

2ft. 6in. long, 11in. wide, for Three Pigs. Price, £0. 12. 0.

ARTICLE No. 138.—Improved Single Norfolk PIG TROUGH.

4ft. long, 11in. wide, for Four Pigs. Price, £0. 16. 0.

ARTICLE No. 139.—Improved Single Norfolk PIG TROUGH.

6ft. long, 11in. wide, for Seven Pigs. Price, £1. 4. 0.

ARTICLE No. 140.—IRON PIG TROUGH.

1ft. long. Price, £0. 1. 9.

ARTICLE No. 141.—IRON PIG TROUGH.

2ft. long. Price, £0. 3. 6.

ARTICLE No. 142.—IRON PIG TROUGH,

3ft. long. Price, £0. 5. 3.

ARTICLE No. 143.—IRON PIG TROUGH.

4ft. long.

Price, £0. 7. 0.

ARTICLE No. 144.—IRON PIG TROUGH.

5ft. long.

Price, £0. 8. 9.

ARTICLE No. 145.—IRON PIG TROUGH.

2ft. long.

Price, £0. 4. 6.

ARTICLE No. 146.—IRON PIG TROUGH.

3ft. long.

Price, £0. 6. 9.

ARTICLE No. 147.—IRON PIG TROUGH.

4ft. long.

Price, £0. 9. 0.

ARTICLE No. 148.—IRON PIG TROUGH.

5ft. long.

Price, £0. 11. 3.

ARTICLE No. 149.—IRON PIG TROUGH.

6ft. long.

Price, £0. 13. 6.

ARTICLE No. 150.—IRON PIG TROUGH.

2ft. long.

Price, £0. 4. 0.

ARTICLE No. 151.—IRON PIG TROUGH.

3ft. long.

Price, £0. 6. 0.

ARTICLE No. 152.—IRON PIG TROUGH.

4ft. long.

Price, £0. 8. 0.

ARTICLE No. 153.—IRON PIG TROUGH.

5ft. long.

Price, £0. 10. 0.

ARTICLE No. 154.—IRON PIG TROUGH.

6ft. long.

Price, £0. 12. 0.

ARTICLE No. 155.—Improved PORTABLE FORGE.

These Forges will be found highly useful to Railway Companies, Engineers, Machinists, and Agriculturists; for Colonial Exportation, &c. The Blast is equal to that of a 30-in. Smith's Bellows.

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For Harrowing Meadows after Top Dressing ; also for working the Twitch Grass out of the Soil or Fallows, and bringing it to the top. Price, £3. 10. 0.

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This Hoe is made entirely of Wrought-Iron, and intended for One Row of Beans, Peas, Turnips, &c., has Three Shares, which are made to slide upon the frame, so as to take the various widths required. Price, £2. 0. 0.

ARTICLE No. 159.—Improved One-Row HORSE HOE.

Similar to the last, with Two Wheels at the head, working upon a Centre Bolt, as the draught being central, the Implement is not affected by any irregular motion of the Horses ; this arrangement also causes it to work steadier. Price, £2. 10. 0.

ARTICLE No. 160.—Improved WROUGHT-IRON SCARIFIER, with Seven Coulters, manufactured by *Mapplebeck and Lowe*.

A very light and useful Implement, and can be used with a pair of Horses. Price, £4. 4. 0.

ARTICLE No. 161.—Improved WROUGHT-IRON SCARIFIER, with Seven Coulters.

This Implement is of very simple construction, it is made entirely of Wrought Iron, and so framed that the greatest possible strength is combined with lightness. Price, £5. 0. 0.

ARTICLE No. 162.—*Bentall's* Patent BROADSHARE and SUBSOIL PLOUGH.

The most effective Implement for Skimming Bean or Wheat Stubbles immediately after Harvest, the Long Projecting Point in front of the Share causes it to enter the ground, however dry and hard, as well as keeping the Shares to their work, and directing the Implement in a straightforward course. It is frequently used as a Horse Hoe, between the rows of Root Crops, and also as a Subsoil Plough, and for both purposes it will be found most useful. Price, £5. 15. 9.

ARTICLE No. 163.—*Bentall's* Patent Light BROADSHARE PLOUGH.

Similar to the last, but of a much lighter character, suited to light soils. Price, £4. 10. 0.

ARTICLE No. 164.—Set of Patent IRON HARROWS, invented by *W. Armstrong and J. Howard*.

A Set of Three 4-beam Harrows, 8½ ft. wide, with Whippetree, adapted for Finishing or Seed Harrows, on light land. Price, £3. 3. 0.

ARTICLE No. 165.—Set of Patent IRON HARROWS, invented by *W. Armstrong and J. Howard*.

A Set of Three 3-beam Harrows, 7½ ft. wide, with Whippetree, can be used at all times with a pair of Horses. Price, £3. 7. 6.

ARTICLE No. 166.—Set of Patent IRON HARROWS, invented by *W. Armstrong and J. Howard*.

A Set of Three 4-beam Harrows, 9½ ft. wide, with Whippetree, adapted for a pair of Horses. Price, £4. 0. 0.

ARTICLE No. 167.—Set of Improved Trussed WHIPPLE-TREES, invented by *Harding*, and manufactured by *Mapplebeck and Lowe*.

They are highly recommended for their great strength, lightness and durability. Price, £0. 8. 6.

ARTICLE No. 168.—Set of Improved Trussed WHIPPLE-TREES, invented by *Harding*, and manufactured by *Mapplebeck and Lowe*.

Similar to the last, with a Bar to equalise the draught. Price, £0. 9. 0.

ARTICLE No. 169.—Set of Improved Trussed IRON WHIPPLE-TREES, invented by *Harding*, and manufactured by *Mapplebeck and Lowe*.

Similar to No. 167, but made entirely of Iron. Price, £0. 9. 6.

ARTICLE No. 170.—Set of Improved Trussed IRON WHIPPLE-TREES, invented by *Harding*, and manufactured by *Mapplebeck and Lowe*.

Similar to No. 168, but with a Bar to equalise the draught. Price, £0. 10. 0.



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